Welcome to STN International! Enter x:x

LOGINID:ssspta1800axw

PASSWORD:
TERMINAL (ENTER 1, 2, 3, OR ?):2

* * * * * * * * * * Welcome to STN International * * * * * * * * * *

NEWS	1		Web Page URLs for STN Seminar Schedule - N. America
NEWS	2		"Ask CAS" for self-help around the clock
NEWS	3	May 12	EXTEND option available in structure searching
NEWS	4	May 12	Polymer links for the POLYLINK command completed in REGISTRY
NEWS	5	May 27	New UPM (Update Code Maximum) field for more efficient patent SDIs in CAplus
NEWS	6	May 27	CAplus super roles and document types searchable in REGISTRY
NEWS	7	Jun 22	STN Patent Forums to be held July 19-22, 2004
NEWS	8	Jun 28	Additional enzyme-catalyzed reactions added to CASREACT
NEWS	9	Jun 28	ANTE, AQUALINE, BIOENG, CIVILENG, ENVIROENG, MECHENG, and WATER from CSA now available on STN(R)
NEWS	10	Jul 12	BEILSTEIN enhanced with new display and select options, resulting in a closer connection to BABS

NEWS EXPRESS	MARCH 31 CURRENT WINDOWS VERSION IS V7.00A, CURRENT MACINTOSH VERSION IS V6.0c(ENG) AND V6.0Jc(JP), AND CURRENT DISCOVER FILE IS DATED 26 APRIL 2004
NEWS HOURS	STN Operating Hours Plus Help Desk Availability
NEWS INTER	General Internet Information
NEWS LOGIN	Welcome Banner and News Items
NEWS PHONE	Direct Dial and Telecommunication Network Access to STN
NEWS WWW	CAS World Wide Web Site (general information)

Enter NEWS followed by the item number or name to see news on that specific topic.

All use of STN is subject to the provisions of the STN Customer agreement. Please note that this agreement limits use to scientific research. Use for software development or design or implementation of commercial gateways or other similar uses is prohibited and may result in loss of user privileges and other penalties.

* * * * * * * * * * * * * * * STN Columbus * * * * * * * * * * * * * * * *

FILE 'HOME' ENTERED AT 15:56:45 ON 14 JUL 2004

=> file .drew

COST IN U.S. DOLLARS	SINCE FILE ENTRY	TOTAL SESSION
FULL ESTIMATED COST	0.21	0.21

FILE 'CAPLUS' ENTERED AT 15:57:00 ON 14 JUL 2004
USE IS SUBJECT TO THE TERMS OF YOUR STN CUSTOMER AGREEMENT.
PLEASE SEE "HELP USAGETERMS" FOR DETAILS.

FILE 'EMBASE' ENTERED AT 15:57:00 ON 14 JUL 2004

FILE 'MEDLINE' ENTERED AT 15:57:00 ON 14 JUL 2004

```
FILE 'SCISEARCH' ENTERED AT 15:57:00 ON 14 JUL 2004
COPYRIGHT 2004 THOMSON ISI

=> e nauck m/au
E1            1     NAUCK KREITEN E/AU
E2            2     NAUCK KURT R JR/AU
E3          428 --> NAUCK M/AU
E4          297     NAUCK M A/AU
E5           36     NAUCK M S/AU
E6            1     NAUCK MANFRED/AU
E7            1     NAUCK MARIA/AU
E8           33     NAUCK MARKUS/AU
E9            8     NAUCK MARKUS S/AU
E10          36     NAUCK MATTHIAS/AU
E11           5     NAUCK MATTHIAS A/AU
E12           5     NAUCK MICHAEL/AU

=> s e3-e12
L1          820 ("NAUCK M"/AU OR "NAUCK M A"/AU OR "NAUCK M S"/AU OR "NAUCK
                MANFRED"/AU OR "NAUCK MARIA"/AU OR "NAUCK MARKUS"/AU OR "NAUCK
                MARKUS S"/AU OR "NAUCK MATTHIAS"/AU OR "NAUCK MATTHIAS A"/AU OR
                "NAUCK MICHAEL"/AU)

=> s l1 and triglyceride?
L2          120 L1 AND TRIGLYCERIDE?

=> s l2 and separat?
L3            7 L2 AND SEPARAT?

=> dup rem l3
PROCESSING COMPLETED FOR L3
L4            2 DUP REM L3 (5 DUPLICATES REMOVED)

=> d 1- ibib abs
YOU HAVE REQUESTED DATA FROM 2 ANSWERS - CONTINUE? Y/(N):y

L4   ANSWER 1 OF 2  CAPLUS  COPYRIGHT 2004 ACS on STN  DUPLICATE 1
ACCESSION NUMBER:         1995:777351  CAPLUS
DOCUMENT NUMBER:          123:164628
TITLE:                    Determination of triglycerides in
                          lipoproteins separated by agarose gel
                          electrophoresis
AUTHOR(S):                Winkler, Karl; Nauck, Matthias; Siekmeier,
                          Ruediger; Maerz, Winfried; Wieland, Heinrich
CORPORATE SOURCE:         Department Medicine, Albert Ludwigs-University,
                          Freiburg, 79106, Germany
SOURCE:                   Journal of Lipid Research (1995), 36(8), 1839-47
                          CODEN: JLPRAW; ISSN: 0022-2275
PUBLISHER:                Lipid Research, Inc.
DOCUMENT TYPE:            Journal
LANGUAGE:                 English
AB   The authors developed a simple method for the quantitation of
     triglycerides in electrophoretically sepd. lipoproteins by
     specific enzymic staining.  After electrophoresis, glycerol is liberated
     from triglycerides by the action of cholesterol esterase.
     Glycerol is oxidized by a sequence of enzymic reactions.  Due to the
     presence of triose phosphate isomerase and glyceraldehyde-3-phosphate
     dehydrogenase in the reaction mixt., two moles of the pptg. dye formazan
     are generated per mol. glycerol.  The relative amts. of .alpha.,
     pre-.beta., and .beta. lipoproteins are detd. by densitometric scanning at
     570 nm.  Abs. triglyceride concns. of the resp. lipoprotein
     fractions are calcd. from total triglycerides.  When tested with
```

purified very low d. lipoproteins, the electrophoresis assay was linear between 0.08 and 6.5 g/l pre-.beta. lipoprotein **triglycerides**. The intra-assay and inter-assay coeffs. of variation were between 5.2% and 9.8%, and between 3.2% and 12.9%, resp. Comparison of the electrophoresis method with a combined ultracentrifugation/pptn. method in 172 sera resulted in the following correlation coeffs.: .alpha. lipoprotein vs. high d. lipoprotein **triglycerides**, r=0.847; pre-.beta. lipoprotein vs. very low d. lipoprotein **triglycerides**, r = 0.989; .beta. lipoprotein vs. low d. lipoprotein **triglycerides**, r = 0.815. This method is easy to perform, and is a precise and accurate technique for the detn. of lipoprotein **triglycerides**. It is the first reliable method that allows the direct quantification of LDL **triglycerides** without ultracentrifugation.

L4 ANSWER 2 OF 2 EMBASE
on STN DUPLICATE 2

ACCESSION NUMBER: 92135811 EMBASE
DOCUMENT NUMBER: 1992135811
TITLE: Basal and nutrient-stimulated pancreatic and gastrointestinal hormone concentrations in type-1-diabetic patients after successful combined pancreas and kidney transplantation.
AUTHOR: **Nauck M.A.**; Busing M.; Orskov C.; Siegel E.G.; Talartschik J.; Baartz A.; Baartz T.; Holzer H.; Hopt U.T.; Ebert R.; Becker H.-D.; Creutzfeldt W.
CORPORATE SOURCE: Abt. Gastroenterol./Endokrinologie, Zentrum Innere Medizin, Georg-August-Universitat, Robert-Koch-Strasse 40,W-3400 Gottingen, Germany
SOURCE: Clinical Investigator, (1992) 70/1 (40-48).
ISSN: 0941-0198 CODEN: CINVE8
COUNTRY: Germany
DOCUMENT TYPE: Journal; Article
FILE SEGMENT: 003 Endocrinology
006 Internal Medicine
026 Immunology, Serology and Transplantation
028 Urology and Nephrology
048 Gastroenterology
037 Drug Literature Index
LANGUAGE: English
SUMMARY LANGUAGE: English
AB The secretion of pancreatic and gastrointestinal hormones in the basal state and after nutrient stimuli (50 g glucose, 50 g protein, or 30 g **triglyceride** administered on **separate** occasions) was assessed in ten previously type-1-diabetic patients after successful combined kidney and pancreas transplantation (systemic venous drainage). Fasting values were compared to matched non-diabetic kidney-transplanted patients and related to kidney function (endogenous creatine clerance) and to the type and dosage of immunosuppressive medication. In the fasting state, only IR insulin concentrations were higher in pancreas-kidney-transplanted patients (by 88%; P = 0.001) than in the kidney graft recipients. There were significant inverse correlations of plasma C-peptide, GIP, and gastrin immunoreactivity to endogenous creatinine clearance (kidney function). In response to nutrients, insulin secretion (IR insulin, C-peptide) was significantly stimulated by glucose, and - to a lesser degree - also by protein. Pancreatic glucagon was suppressed by glucose and stimulated by protein ingestion. GIP was raised after glucose and **triglyceride** more than after protein (P = 0.0003). GLP-1 immunoreactivity was stimulated by all nutrients, with a tendency towards higher responses to protein and fat (P = 0.06). Gastrin was mainly raised by protein. In conclusion, the overall pattern of pancreatic and gastrointestinal hormone release is normal in patients after combined pancreas-kidney-transplantation, but there are some peculiarities due to (a) systemic venous drainage of the pancreas graft (elevated fasting IR

insulin) and (b) impaired kidney function (negative correlation of fasting plasma values to endogenous creatinine clearance for C-peptide, GIP, and gastrin). The plasma levels of these important regulatory peptides and their responses to nutrient stimulation are compatible with and may contribute to the well-preserved endocrine function of the pancreatic grafts (normal or slightly impaired glucose tolerance, preserved incretin effect).

```
=> s electrophoretic and lipoprotein? and separation
L5          413 ELECTROPHORETIC AND LIPOPROTEIN? AND SEPARATION

=> s l5 and propylene oxide
L6            0 L5 AND PROPYLENE OXIDE

=> s l5 and polyoxyethylene
L7            0 L5 AND POLYOXYETHYLENE

=> s l5 and ?propylene?
L8            1 L5 AND ?PROPYLENE?

=> d

L8   ANSWER 1 OF 1  CAPLUS  COPYRIGHT 2004 ACS on STN
AN   1987:614495  CAPLUS
DN   107:214495
TI   Electrophoretic technique for separation of
     lipoproteins and electrophoretic gel for use therein
IN   Gurske, William A.
PA   Beckman Instruments, Inc., USA
SO   U.S., 9 pp.
     CODEN: USXXAM
DT   Patent
LA   English
FAN.CNT 1
     PATENT NO.         KIND  DATE          APPLICATION NO.   DATE
     ---------------    ----  --------      ----------------  --------
PI   US 4696958          A    19870929      US 1985-801113    19851122
PRAI US 1985-801113           19851122
```